

Department of Chemistry
MNIT, Jaipur
CORRIGENDUM

Tender No. No. F5(769)ST/MNIT/Chy/2019

A pre-bid meeting was held on 24.01.2020 to address the queries of the tenders. After discussion department has finalised below mentioned modifications in the technical specifications of the equipment of above-mentioned tender. Below mentioned revisions may please be considered. for details visit: www.mnit.ac.in, <https://eprocure.gov.in/epublish/app> & <http://tenderwizard.com/MNITJ>

Original Specifications	Revised Specifications
<p>Specifications: Vertical Rotatory Vacuum Evaporator, Vacuum Pump and Chiller</p> <p>A. Rotary Vacuum Evaporator with Motorized Auto Jack-Up function during power failure (with digital water bath)</p> <p>Driving Unit: Encased induction motor with electronic speed control</p> <p>Condenser: Vertical Double spiral glass coil</p> <p>Drive Unit: Motorized drive unit</p> <p>Jack up Function: Electronic quick action jack and automatic lifting of the flasks during a power failure</p> <p>Rotation Speed: up to 280 rpm or better with microprocessor control.</p> <p>Display: digital display of rotation speed and heating bath.</p>	<p>Specifications: Vertical Rotatory Vacuum Evaporator, Vacuum Pump and Chiller</p> <p>A. Rotary Vacuum Evaporator with electronic quick action jack and provision for automatic lifting of the evaporating flask in case of power failure.</p> <p>Digital Water Bath with display of SET & ACTUAL temperature. Temperature Control Range: from ambient to 95°C or better.</p> <p>Driving Unit: Motorized drive unit with electronic speed control</p> <p>Condenser: Vertical double spiral glass coil</p> <p>Rotation Speed: up to 280 rpm or better with microprocessor control.</p> <p>Display: digital display of rotation speed and heating bath.</p> <p>Evaporating Flask: 1L, Pear Style, with 29/32 joint</p>

<p>Speed display: Digital</p> <p>Sample Flask: 1L, Pear Style, Ts 29/38</p> <p>Receiving flask: 1L, round style with ball joint. Evaporating flask from 50-4000 ml can be used on the same joint adapter without additional connections. 1 liter Evaporating Flask and Receiving Flasks should be provided in standard scope of supply. All glass components should be made of Borosilicate 3.3 glass or better · Should be supplied along with condensate trap, splash adaptor and connecting adaptors with various sizes of evaporating flask (50, 100, 500, 1000, 2000 and 3000 ml; 5 units each)</p> <p>Vacuum seal: PTFE seal (seal should also be covered in standard warranty period of three year)</p> <p>Liquid Contact parts: Glass & PTFE Includes with Digital Water Bath</p> <p>Temp. control range: Ambient temp. to 210° C or higher.</p> <p>Accuracy : ±1°C or better</p> <p>Bath features: Inner Teflon coating and outer heat resistant cover</p> <p>Bath capacity: should be between 4 to 5L</p> <p>Temp controller: Microprocessor based PID Control</p> <p>Safety features: Overheating protector, auto cut off at 5°C secondary overtemperature cut off 250°C</p>	<p>Receiving flask: 1L, round style with ball joint. Evaporating flask from 50 - 1000 mL can be used on the same joint adapter without additional connections. 1 litre Evaporating Flask and Receiving Flasks should be provided in standard scope of supply.</p> <p>All glass components should be made of Borosilicate 3.3 glass or better·</p> <p>2 Nos. Evaporating Flask -1000 ml and 2 Nos. Receiving Flask – 1000 ml should be quoted additionally.</p> <p>1 No. vacuum seal should be provided in standard scope of supply.(seal should also be covered in standard warranty period of three year)</p> <p>Liquid Contact parts: Glass & PTFE includes with Digital Water Bath</p> <p>Temp. control range: Ambient temp. to 95° C or better.</p> <p>Accuracy: ±1°C or better</p> <p>Bath capacity: should be between 2 – 4 Litres or better</p> <p>Temp controller: Microprocessor based PID Control</p> <p>Safety features: Mechanical and electronic over heat temperature control should be provided with the system.</p> <p>B. VACUUM PUMP: Two stage oil free diaphragm pump made from chemically resistant material.</p> <p>Suction capacity in m³/hour: 1.5 – 1.7 m³/hr or better. Vacuum pump</p>
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B. VACUUM PUMP: Two stage oil free diaphragm pump made from chemically resistant material.

Suction capacity in m3/hour: 2.0 m3/h or better. Vacuum pump should have ultimate vacuum of 7mbar or better.

Power input in watt: 180

Supply voltage (V/Hz): 230/50 Noise-free vacuum system ·
Warranty: One year on site

C. CHILLER

Temperature range: -10°C to ambient Precise temperature control of ± 0.2°C

Flow: more than 6l/min Cooling capacity upto 560 watts @20°C, Fluid level indicator. Coolant: CFC Free

Low flow shut off and high/low temperature alarms.

Digital display

Warranty: One year on site

The equipment should be provided with all necessary accessories and spare parts for a fully functional unit.

List of consumables and spare parts along with operation and service manuals should be provided along with the

should have ultimate vacuum of 10 mbar or better.

Supply voltage (V/Hz): 230/50 Noise-free vacuum system ·

Power input in watt: 180

Warranty: One year on site

Digital Vacuum Controller with manual adjustments of pressure settings and aeration should be provided along with the system. It should also have the timer function to stop the process after pre-set time.

C. CHILLER

Temperature range: -10°C to ambient Precise resolution of ± 0.2°C or better.

Flow: 2.5 litres/min or better

Cooling capacity up to 500 watts at 15 °C or better

Fluid level indicator.

Coolant: CFC Free

Digital display of SET and ACTUAL temperature

Warranty: One year on site

The equipment should be provided with all necessary accessories and spare parts for a fully functional unit. **All items quoted should be from the same manufacturer.**

List of consumables and spare parts along with operation and service manuals should be provided along with the instrument.

<p>instrument.</p> <p>Note: All parts must conform to the Supply Voltage (V/Hz) of 230/50. Deputy Registrar (Store & Purchase)</p>	<p>Low flow shut off and high/low temperature alarms.</p> <p>Digital display</p> <p>Note: All parts must conform to the Supply Voltage (V/Hz) of 230/50.</p>
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However, all other terms & conditions of our NIET will remain unchanged

Deputy Registrar
(Store & Purchase)